



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 12371638
SAU: MSAD 43
School: Mountain Valley Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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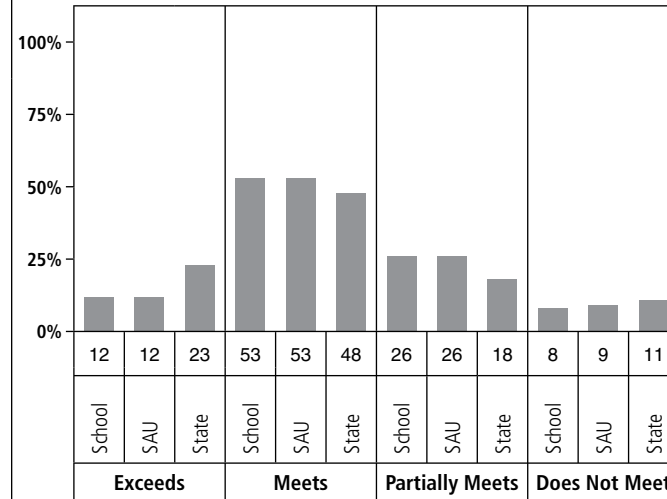
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: MSAD 43
School: Mountain Valley Middle School

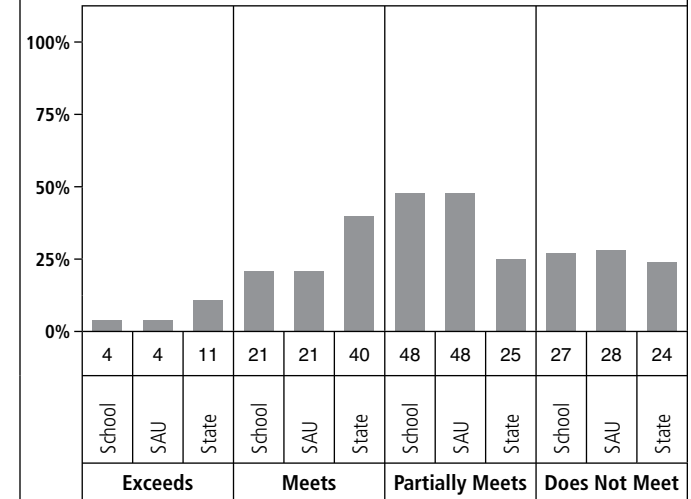
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	841	841	845
2006–2007	840	841	847
2007–2008	846	846	849
Cum. Avg. *	842	842	847
Mathematics			
2005–2006	840	840	840
2006–2007	837	837	842
2007–2008	834	834	841
Cum. Avg. *	837	837	841
Science & Technology			
2005–2006	847	847	846
2006–2007	845	845	847
2007–2008	847	846	847
Cum. Avg. *	846	846	847

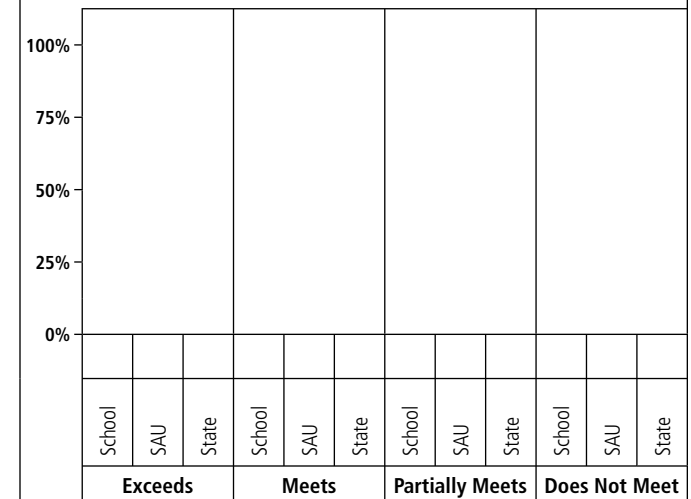
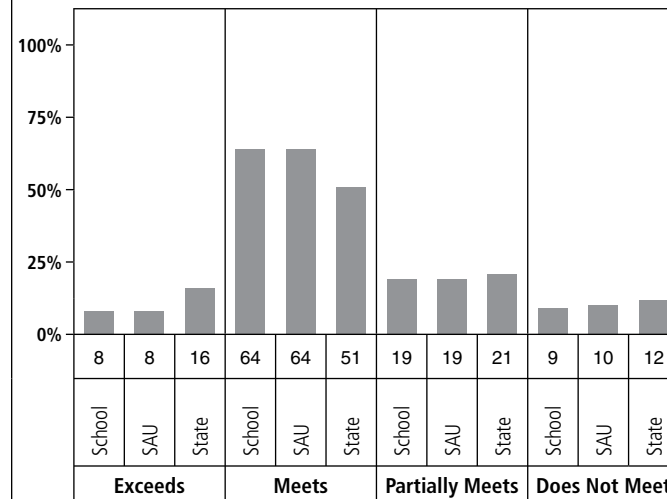
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 8
 SAU: MSAD 43
 School: Mountain Valley Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																												
							ELA-Reading						Mathematics						Science and Technology																
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State						
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%					
Total number of students	107	100	105	100	15274	100	107	100	105	100	15102	99	107	100	105	100	15097	99	107	100	105	100	15080	99											
Ethnicity	African American/Black						3	3	3	3	368	2	3	100	3	100	356	97	3	100	3	100	360	98	3	100	3	100	356	97					
	American Indian or Native Alaskan						1	1	1	1	120	1	1	100	1	100	117	98	1	100	1	100	117	98	1	100	1	100	117	98					
	Asian or Pacific Islander						0	0	0	0	186	1	0	0	0	0	181	97	0	0	0	0	182	98	0	0	0	0	182	98					
	Hispanic						1	1	1	1	139	1	1	100	1	100	136	98	1	100	1	100	136	98	1	100	1	100	136	98					
	Caucasian/White						102	95	100	95	14461	95	102	100	100	100	14312	99	102	100	100	100	14302	99	102	100	100	100	14289	99					
	Not Reported						0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Identified disability	13	12	13	12	2508	16	13	100	13	100	2446	98	13	100	13	100	2441	98	13	100	13	100	2431	98											
Current LEP	1	1	1	1	327	2	1	100	1	100	316	97	1	100	1	100	322	99	1	100	1	100	322	99											
Economically disadvantaged	49	46	48	46	5420	35	49	100	48	100	5329	99	49	100	48	100	5324	99	49	100	48	100	5313	98											
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100											

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	85	79	84	80	12703	83	93	87	92	88	12694	83	92	86	91	87	12710	83						
Identified disability (PET/IEP)	1	1	1	1	437	3	1	1	1	1	421	3	1	1	1	1	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	0	0	0	0	229	2	0	0	0	0	231	2	0	0	0	0	230	2						
Participation with accommodations	22	21	21	20	2221	15	14	13	13	12	2227	15	15	14	14	13	2197	14						
Identified disability (PET/IEP)	12	55	12	57	1832	82	12	86	12	92	1844	83	12	80	12	86	1813	83						
LEP	1	5	1	5	136	6	1	7	1	8	143	6	1	7	1	7	142	6						
504 plan	0	0	0	0	68	3	0	0	0	0	66	3	0	0	0	0	66	3						
Other	10	45	9	43	213	10	2	14	1	8	202	9	3	20	2	14	204	9						
Participation through alternate assessment (PAAP)	0	0	0	0	177	1	0	0	0	0	176	1	0	0	0	0	173	1						
Identified disability (PET/IEP)	0	0	0	0	177	100	0	0	0	0	176	100	0	0	0	0	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	0	0	0	0	140	1	0	0	0	0	143	1	0	0	0	0	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 43
School: Mountain Valley Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	11	8	10	7	2695	17
	2006-2007	4	4	4	4	2407	16
	2007-2008	13	12	13	12	3428	23
	Cum. Total*	28	8	27	8	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	58	41	58	42	6830	42
	2006-2007	52	46	52	47	7494	49
	2007-2008	57	53	56	53	7179	48
	Cum. Total*	167	46	166	47	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	46	33	45	32	3741	23
	2006-2007	33	29	32	29	3628	24
	2007-2008	28	26	27	26	2706	18
	Cum. Total*	107	30	104	29	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	26	18	26	19	3003	18
	2006-2007	24	21	23	21	1810	12
	2007-2008	9	8	9	9	1611	11
	Cum. Total*	59	16	58	16	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	35.0	62.5	34.9	62.3	36.9	65.9
Literary Text	28	50	17.4	62.1	17.3	61.8	18.3	65.4
Informational Text	28	50	17.6	62.9	17.6	62.9	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 43
 School: Mountain Valley Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	107	13	12	57	53	28	26	9	8	846	105	12	53	26	9	846	14924	23	48	18	11	849
Ethnicity																						
African American/Black	3										3						348	11	38	22	29	840
American Indian or Native Alaskan	1										1						117	9	43	29	19	842
Asian or Pacific Islander	0										0						179	32	39	18	11	852
Hispanic	1										1						131	18	38	27	17	846
Caucasian/White	102	13	13	55	54	26	25	8	8	847	100	13	54	25	8	847	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	13	0	0	4	31	4	31	5	38	834	13	0	31	31	38	834	2269	3	24	32	42	833
No	94	13	14	53	56	24	26	4	4	848	92	14	57	25	4	848	12655	27	52	16	5	852
Current LEP																						
Yes	1										1						308	8	30	27	34	837
No	106	13	12	57	54	27	25	9	8	846	104	13	54	25	9	846	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	49	6	12	23	47	12	24	8	16	844	48	13	46	25	17	844	5222	12	44	25	19	843
No	58	7	12	34	59	16	28	1	2	848	57	12	60	26	2	848	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	107	13	12	57	53	28	26	9	8	846	105	12	53	26	9	846	14917	23	48	18	11	849
Gender																						
Female	54	9	17	27	50	15	28	3	6	848	53	17	49	28	6	848	7198	30	48	15	7	853
Male	53	4	8	30	57	13	25	6	11	844	52	8	58	23	12	844	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	29	0	0	14	48	12	41	3	10	840	29	0	48	41	10	840	807	9	41	32	18	842
No	78	13	17	43	55	16	21	6	8	849	76	17	55	20	8	849	14117	24	49	17	10	850
Gifted/talented program																						
Yes	11	8	73	3	27	0	0	0	0	867	11	73	27	0	0	867	592	71	28	1	0	867
No	96	5	5	54	56	28	29	9	9	844	94	5	56	29	10	844	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 43
School: Mountain Valley Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	10 44 43 2	0 4 8 1	0 9 17 50	6 24 27 0	55 51 59 0	1 15 10 1	9 32 22 50	4 4 1 0	36 9 2 0	838 844 850 854	11 44 43 2	0 9 18 50	55 52 58 0	9 30 22 50	36 9 2 0	838 844 850 854	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	36 50 10 4	8 4 1 0	21 8 9 0	18 34 5 0	47 64 45 0	8 12 4 3	21 23 36 75	4 3 1 1	11 6 9 25	849 846 844 829	37 49 11 4	21 8 9 0	47 65 45 0	21 22 36 75	11 6 9 25	849 846 844 829	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	26 53 19 2	5 8 0 0	18 14 0 0	16 28 12 1	57 50 60 50	3 18 5 1	11 32 25 50	4 2 3 0	14 4 15 0	850 847 841 838	27 52 19 2	18 15 0 0	57 50 60 50	11 31 25 50	14 4 15 0	850 847 841 838	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835
How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	24 69 8	0 11 2	0 15 25	17 35 5	68 48 63	6 21 0	24 29 0	2 6 1	8 8 13	844 847 851	24 68 8	0 15 25	68 48 63	24 28 0	8 8 13	844 847 851	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	8 67 25	0 7 6	0 10 23	4 35 16	50 51 62	3 21 3	38 30 12	1 6 1	13 9 4	838 845 853	8 68 24	0 10 25	50 51 63	38 30 8	13 9 4	838 845 853	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	44 51 5	3 9 1	7 17 20	20 33 3	43 61 60	16 10 1	35 19 20	7 2 0	15 4 0	842 849 850	43 52 5	7 17 20	43 61 60	34 19 20	16 4 0	842 849 850	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	22 25 16 38	5 4 1 3	22 15 6 8	13 14 9 21	57 54 53 53	3 4 5 15	13 15 29 38	2 4 2 1	9 15 12 3	849 849 843 845	22 24 16 38	22 16 6 8	57 52 53 54	13 16 29 36	9 16 12 3	849 848 843 845	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844
How do you feel about the following statement? <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	35 58 5 3	6 7 0 0	16 11 0 0	18 36 1 2	49 59 20 67	8 15 3 1	22 25 60 33	5 3 1 0	14 5 20 0	846 847 836 844	36 57 5 3	16 12 0 0	49 59 20 67	22 24 60 33	14 5 20 0	846 847 836 844	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839
Optional school/SAU question A. B. C. D.	29 29 29 14	0 0 0 0	0 0 0 0	0 0 1 0	0 0 50 0	1 1 0 1	50 50 0 100	1 1 1 0	50 50 50 0	830 824 833 836	29 29 29 14	0 0 0 0	0 0 50 0	50 50 0 100	50 50 50 0	830 824 833 836						

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 43
School: Mountain Valley Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	8	6	7	5	1714	11
	2006-2007	8	7	8	7	1952	13
	2007-2008	4	4	4	4	1657	11
	Cum. Total*	20	6	19	5	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	58	41	58	41	5533	34
	2006-2007	37	33	36	32	5870	38
	2007-2008	23	21	22	21	5956	40
	Cum. Total*	118	33	116	33	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	50	35	48	34	4764	29
	2006-2007	31	27	31	28	3982	26
	2007-2008	51	48	50	48	3729	25
	Cum. Total*	132	36	129	36	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	26	18	27	19	4251	26
	2006-2007	37	33	36	32	3534	23
	2007-2008	29	27	29	28	3579	24
	Cum. Total*	92	25	92	26	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	7.1	44.4	7.1	44.4	8.4	52.5
Cluster 2: Shape and Size	14	25	4.7	33.6	4.6	32.9	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.0	50.0	4.0	50.0	4.6	57.5
Cluster 4: Patterns	18	32	7.2	40.0	7.2	40.0	8.9	49.4

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lslalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 43
 School: Mountain Valley Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	107	4	4	23	21	51	48	29	27	834	105	4	21	48	28	834	14921	11	40	25	24	841
Ethnicity																						
African American/Black	3										3						352	2	23	23	52	828
American Indian or Native Alaskan	1										1						117	5	22	33	39	832
Asian or Pacific Islander	0										0						181	24	42	20	14	848
Hispanic	1										1						131	7	34	26	33	836
Caucasian/White	102	4	4	23	23	50	49	25	25	835	100	4	22	49	25	835	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	13	0	0	0	0	5	38	8	62	819	13	0	0	38	62	819	2265	1	14	22	62	824
No	94	4	4	23	24	46	49	21	22	836	92	4	24	49	23	836	12656	13	45	26	17	844
Current LEP																						
Yes	1										1						315	5	24	20	51	828
No	106	4	4	23	22	51	48	28	26	835	104	4	21	48	27	834	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	49	2	4	9	18	21	43	17	35	832	48	4	17	44	35	832	5217	5	30	29	37	834
No	58	2	3	14	24	30	52	12	21	836	57	4	25	51	21	836	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	107	4	4	23	21	51	48	29	27	834	105	4	21	48	28	834	14914	11	40	25	24	841
Gender																						
Female	54	2	4	15	28	24	44	13	24	836	53	4	26	45	25	835	7199	11	40	26	23	841
Male	53	2	4	8	15	27	51	16	30	833	52	4	15	50	31	833	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	29	0	0	1	3	12	41	16	55	826	29	0	3	41	55	826	806	3	20	30	47	831
No	78	4	5	22	28	39	50	13	17	837	76	5	28	50	17	837	14115	12	41	25	23	842
Gifted/talented program																						
Yes	11	4	36	7	64	0	0	0	0	859	11	36	64	0	0	859	592	58	39	2	1	864
No	96	0	0	16	17	51	53	29	30	832	94	0	16	53	31	831	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 43
School: Mountain Valley Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	10	0	0	3	27	3	27	5	45	827	11	0	27	27	45	827	9	5	30	23	41	833
B. less than one hour	44	0	0	8	17	24	51	15	32	831	44	0	17	50	33	832	46	10	40	26	25	840
C. one to two hours	43	3	7	12	26	22	48	9	20	838	43	7	24	49	20	838	41	14	42	25	19	843
D. more than two hours	2	1	50	0	0	1	50	0	0	849	2	50	0	50	0	849	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	29	3	10	6	19	12	39	10	32	836	30	10	19	39	32	836	30	17	43	22	18	845
B. They match some of what I have learned.	47	1	2	12	24	28	56	9	18	835	46	2	23	56	19	835	50	10	42	26	22	841
C. They match just a little of what I have learned.	17	0	0	4	22	7	39	7	39	832	17	0	22	39	39	832	17	6	32	29	33	836
D. There is no match.	7	0	0	1	14	3	43	3	43	828	7	0	14	43	43	828	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	27	4	14	8	28	14	48	3	10	843	27	14	29	46	11	843	26	29	46	14	11	851
B. good	43	0	0	12	26	21	46	13	28	833	43	0	24	47	29	833	45	7	46	27	20	841
C. fair	24	0	0	3	12	13	52	9	36	829	24	0	12	52	36	829	23	1	26	34	38	833
D. poor	6	0	0	0	0	2	33	4	67	823	6	0	0	33	67	823	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	35	0	0	10	27	16	43	11	30	833	34	0	26	43	31	832	34	4	35	28	32	836
B. about the same as my regular schoolwork	55	2	3	11	19	31	53	14	24	835	56	3	19	53	24	835	52	10	43	26	21	842
C. easier than my regular schoolwork	10	2	20	2	20	3	30	3	30	839	10	20	20	30	30	839	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	48	1	2	7	14	26	52	16	32	831	47	2	13	52	33	831	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	47	3	6	14	29	21	43	11	22	838	48	6	29	43	22	838	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	5	0	0	1	20	3	60	1	20	834	5	0	20	60	20	834	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	7	0	0	1	14	3	43	3	43	825	7	0	14	43	43	825	9	6	38	27	29	837
B. two or three days a week	14	0	0	5	33	4	27	6	40	831	14	0	33	27	40	831	16	8	38	27	27	839
C. two or three times each month	45	1	2	12	25	23	48	12	25	835	45	2	23	49	26	835	28	12	41	27	21	843
D. never or almost never	34	3	8	5	14	20	56	8	22	836	34	9	14	54	23	836	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	26	0	0	2	7	15	54	11	39	829	27	0	7	54	39	829	38	14	42	23	21	843
B. two or three times a week	63	3	4	20	30	29	43	15	22	837	63	5	30	42	23	837	33	10	41	26	23	841
C. two or three times each month	9	1	10	1	10	6	60	2	20	835	9	11	0	67	22	834	18	10	36	27	27	840
D. never or almost never	1	0	0	0	0	0	0	1	100	806	1	0	0	0	100	806	11	7	34	26	33	836
How do you feel about the following statement? <i>"My knowledge of mathematics will be useful to me as an adult."</i>																						
A. strongly agree	48	4	8	12	24	23	45	12	24	837	48	8	24	44	24	837	54	14	44	23	18	844
B. agree	41	0	0	9	21	22	51	12	28	832	40	0	19	52	29	832	38	8	36	27	28	838
C. disagree	9	0	0	2	20	5	50	3	30	833	10	0	20	50	30	833	6	6	31	28	36	835
D. strongly disagree	2	0	0	0	0	0	0	2	100	815	2	0	0	0	100	815	2	3	23	25	49	831
Optional school/SAU question																						
A.	29	0	0	0	0	0	0	2	100	813	29	0	0	0	100	813						
B.	29	0	0	0	0	0	0	2	100	819	29	0	0	0	100	819						
C.	29	0	0	0	0	1	50	1	50	828	29	0	0	50	50	828						
D.	14	0	0	0	0	0	0	1	100	824	14	0	0	0	100	824						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 43
School: Mountain Valley Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	10	7	9	6	1879	12
	2006-2007	11	10	11	10	2192	14
	2007-2008	9	8	8	8	2371	16
	Cum. Total*	30	8	28	8	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	90	63	90	64	8604	53
	2006-2007	53	47	52	47	7916	52
	2007-2008	68	64	67	64	7630	51
	Cum. Total*	211	58	209	59	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	31	22	30	21	3618	22
	2006-2007	37	33	36	32	3340	22
	2007-2008	20	19	20	19	3175	21
	Cum. Total*	88	24	86	24	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	11	8	11	8	2174	13
	2006-2007	12	11	12	11	1865	12
	2007-2008	10	9	10	10	1731	12
	Cum. Total*	33	9	33	9	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	7.9	56.4	7.9	56.4	8.1	57.9
Cluster 2: Physical Sciences	14	25	7.3	52.1	7.3	52.1	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	7.6	54.3	7.5	53.6	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.3	59.3	8.3	59.3	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: MSAD 43
School: Mountain Valley Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	107	9	8	68	64	20	19	10	9	847	105	8	64	19	10	846	14907	16	51	21	12	847
Ethnicity																						
African American/Black	3										3						349	4	35	26	34	837
American Indian or Native Alaskan	1										1						117	8	40	28	24	840
Asian or Pacific Islander	0										0						181	20	50	15	15	849
Hispanic	1										1						131	5	50	22	23	842
Caucasian/White	102	9	9	66	65	19	19	8	8	847	100	8	65	19	8	847	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	13	0	0	4	31	3	23	6	46	832	13	0	31	23	46	832	2258	3	29	31	37	836
No	94	9	10	64	68	17	18	4	4	848	92	9	68	18	4	848	12649	18	55	20	7	850
Current LEP																						
Yes	1										1						315	4	29	25	42	834
No	106	9	8	68	64	20	19	9	8	847	104	8	64	19	9	847	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	49	3	6	28	57	11	22	7	14	844	48	4	58	23	15	844	5206	8	45	28	20	842
No	58	6	10	40	69	9	16	3	5	848	57	11	68	16	5	848	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	107	9	8	68	64	20	19	10	9	847	105	8	64	19	10	846	14900	16	51	21	12	847
Gender																						
Female	54	6	11	29	54	13	24	6	11	846	53	9	55	25	11	845	7196	14	52	23	12	847
Male	53	3	6	39	74	7	13	4	8	847	52	6	73	13	8	847	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	29	1	3	17	59	8	28	3	10	843	29	3	59	28	10	843	804	6	38	34	22	841
No	78	8	10	51	65	12	15	7	9	848	76	9	66	16	9	848	14103	16	52	21	11	848
Gifted/talented program																						
Yes	11	5	45	6	55	0	0	0	0	864	11	45	55	0	0	864	592	63	35	1	0	865
No	96	4	4	62	65	20	21	10	10	845	94	3	65	21	11	844	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 43
School: Mountain Valley Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	10	1	9	4	36	4	36	2	18	841	11	9	36	36	18	841	9	10	40	26	23	842
B. less than one hour	44	1	2	33	70	9	19	4	9	844	44	2	70	20	9	844	46	14	52	22	12	847
C. one to two hours	43	7	15	29	63	7	15	3	7	850	43	13	64	16	7	850	41	19	53	19	9	849
D. more than two hours	2	0	0	2	100	0	0	0	0	854	2	0	100	0	0	854	5	19	47	21	14	848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	27	3	10	21	72	3	10	2	7	849	28	10	72	10	7	849	29	19	54	19	9	849
B. They match some of what I have learned.	60	6	9	41	64	12	19	5	8	847	60	8	65	19	8	847	49	16	51	22	11	848
C. They match just a little of what I have learned.	11	0	0	5	42	5	42	2	17	839	12	0	42	42	17	839	18	13	51	23	13	846
D. There is no match.	1	0	0	1	100	0	0	0	0	848	1	0	100	0	0	848	5	9	39	29	23	842
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	26	4	14	20	71	2	7	2	7	851	26	15	70	7	7	851	23	28	51	13	8	853
B. good	53	5	9	38	68	10	18	3	5	847	53	7	69	18	5	847	54	15	55	21	9	848
C. fair	14	0	0	6	40	6	40	3	20	839	14	0	40	40	20	839	20	5	45	32	18	842
D. poor	7	0	0	4	57	2	29	1	14	843	7	0	57	29	14	843	3	2	35	34	29	838
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	22	0	0	11	48	7	30	5	22	839	22	0	48	30	22	839	27	15	49	22	14	846
B. about the same as my regular schoolwork	70	7	10	50	68	13	18	3	4	849	69	8	69	18	4	848	59	15	53	22	10	848
C. easier than my regular schoolwork	9	2	22	7	78	0	0	0	0	854	9	22	78	0	0	854	13	21	51	18	10	850
How hard did you try on the science part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	40	4	10	24	57	9	21	5	12	846	39	8	58	23	13	845	40	15	51	22	12	847
B. I tried about the same as I do on my regular schoolwork.	56	5	9	41	71	10	17	2	3	849	57	9	71	17	3	849	55	17	53	21	10	848
C. I did not try as hard on this test as I do on my regular schoolwork.	4	0	0	3	75	0	0	1	25	843	4	0	75	0	25	843	5	12	41	25	22	843
Which courses do you plan to take before you graduate from high school?																						
A. earth and space science and/or biology	28	2	7	22	76	3	10	2	7	848	27	4	79	11	7	847	25	11	53	23	13	846
B. the course(s) described in A, plus chemistry	23	5	21	15	63	3	13	1	4	851	23	22	61	13	4	851	24	18	53	20	10	849
C. the course(s) described in B, plus physics	14	1	7	8	53	3	20	3	20	846	15	7	53	20	20	846	22	30	47	14	8	853
D. a life science and physical science class	35	1	3	22	61	10	28	3	8	844	35	3	61	28	8	844	29	8	52	27	14	844
How do you feel about the following statement? <i>"My knowledge of science and technology will be useful to me as an adult."</i>																						
A. strongly agree	24	3	12	16	64	4	16	2	8	849	24	12	64	16	8	849	27	23	51	17	9	851
B. agree	42	5	11	26	58	11	24	3	7	847	41	9	58	26	7	847	54	15	53	21	11	847
C. disagree	27	1	3	21	72	5	17	2	7	845	28	3	72	17	7	845	15	10	50	26	14	845
D. strongly disagree	7	0	0	5	71	0	0	2	29	842	7	0	71	0	29	842	4	7	39	30	24	841
How well does the following statement reflect your future goals? <i>"I am interested in a career related to science, technology, engineering, or mathematics."</i>																						
A. strongly agree	34	4	11	25	69	5	14	2	6	849	34	9	71	14	6	848	25	24	52	15	8	851
B. agree	40	4	10	25	60	9	21	4	10	846	41	10	60	21	10	846	37	15	50	22	12	847
C. disagree	16	0	0	9	53	6	35	2	12	842	16	0	50	38	13	842	26	12	53	23	12	846
D. strongly disagree	10	1	10	8	80	0	0	1	10	847	10	10	80	0	10	847	12	8	48	28	15	844
Optional school/SAU question																						
A.	29	0	0	1	50	0	0	1	50	829	29	0	50	0	50	829						
B.	29	0	0	0	0	2	100	0	0	834	29	0	0	100	0	834						
C.	29	0	0	2	100	0	0	0	0	849	29	0	100	0	0	849						
D.	14	0	0	1	100	0	0	0	0	846	14	0	100	0	0	846						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
N = Number